## **EAST Search History**

## EAST Search History (Prior Art)

| Ref# | Hits | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|------|------|---|---|---------------------|---------|---------------------|
| S1   | 17   | ((NI CHOLAS) near2 (RYAN)).INV.   | US-PGPUB;<br>USPAT  | OR                  | ON      | 2008/04/03<br>11:48 |
| S2   | 29   | ((NIOHOLAS) near2 (FIYAN)).INV.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/04/03<br>11:48 |
| S3   | 4    | (("6603857") or ("20040064710") or<br>("6851050") or ("2002009947") or<br>("20020172367")).PN.  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2008/04/03<br>11:51 |
| S4   | 5    | (("6603857") or ("20040064710") or<br>("6851050") or ("20020009947") or<br>("20020172367")).PN.   | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2008/04/03<br>11:52 |
| S5   | 5    | (("6603857") or ("20040064710") or<br>("6851050") or ("20020099947") or<br>("20020172367")).PN.   | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2008/04/03<br>11:53 |
| S6   | 32   | ["4145569"   "480030"   "480932"   "4811933"   "481926"   "4801264"   "4844008"   \$164698"   \$216715"   "5326433"   "5341426"   "5412722"   "5457746"   \$5481613"   \$5851614"   "5600720"   "5604807"   "5625694"   "572034"   \$774550"   \$794460"   "5793973"   "5802175"   "5805705"   "5805712"   \$911770"   "5828578"   "1617723"   \$10. OR ("6603857") , UFFN. | US-PGPUB;<br>USPAT; USOCR   | OR                  | ON      | 2008/04/03<br>11:55 |
| S7   | 2467 | ((713/189) or (380/44)).CQLS.   | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2008/04/03<br>11:57 |
| S8   | 7921 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CCLS.   | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2008/04/03<br>12:03 |
| S9   | 273  | S8 and time adj based   | US-PGPUB;<br>USPAT  | OR                  | ON      | 2008/04/03<br>12:03 |
| S10  | 2028 | S8 and future   | US-PGPUB;<br>USPAT  | OR                  | ON      | 2008/04/03<br>12:03 |
| S11  | 131  | S9 and future   | US-PGPUB;<br>USPAT  | OR                  | ON      | 2008/04/03<br>12:03 |
| S12  | 34   | S8 and time adj based near2 key   | US-PGPUB;<br>USPAT  | OR                  | ON      | 2008/04/03<br>12:04 |
| S13  | 1    | ("5825876").PN.   | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2008/04/03<br>12:05 |

| S14 | 20  | US-4203166-\$.DID. OR US-4734568-\$.DID. OR US-4757533-DID. OR US-4796220-\$.DID. OR US-4796220-\$.DID. OR US-970820-\$.DID. OR US-9708-\$.DID. OR US-972472-\$.DID. OR US-503293-\$.DID. OR US-5052040-\$.DID. OR US-5052040-\$.DID. OR US-5052046-\$.DID. OR US-520687-\$.DID. OR US-5204897-\$.DID. OR US-5207673-\$.DID. OR US-5276735-\$.DID. OR US-5301247-\$.DID. OR US-5376732-\$.DID. OR US-5376720-\$.DID.   | US-PGPUB;<br>USPAT | OR. | ON | 2008/04/03<br>12:08 |
|-----|-----|--|--------------------|-----|----|---------------------|
| S15 | 220 | US-5404404.\$.DID. OR US-5406628.\$.DID. OR US-5414852.\$.DID. OR US-5495533.\$. DID. OR US-5499297.\$.DID. OR US- 5502766-\$.DID. OR US-5507765-\$.DID. OR US- 5502766-\$.DID. OR US-5507765-\$.DID. OR US-5507605-\$.DID. OR US-5606663.\$. DID. OR US-560722.\$.DID. OR US-5606663.\$. DID. OR US-5671412-\$.DID. OR US-5607452.\$.DID. OR US-5607452.\$.DID. OR US-5607452.\$.DID. OR US-5697953.\$.DID. OR US-5699728-\$.DID. OR US-570979-\$.DID. OR US-5716709-\$.DID. OR US-571  | US-PGPUB;<br>USPAT | OR. | ON | 2008/04/03<br>12:09 |
| S16 | 20  | US-5720033-\$.DID. OR US-5729734-\$.DID. OR US-574573-\$.DID. OR US-5748736-\$.DID. OR US-5748736-\$.DID. OR US-57518736-\$.DID. OR US-5756152-\$.DID. OR US-5756152-\$.DID. OR US-5787175-\$.DID. OR US-5787175-\$.DID. OR US-5787175-\$.DID. OR US-5787175-\$.DID. OR US-583561-\$.DID. OR US-583561-\$.DID. OR US-583561-\$.DID. OR US-583561-\$.DID. OR US-583561-\$.DID. OR US-5857189-\$.DID. OR US-5857189-\$.DID. OR US-5857189-\$.DID. OR US-5857189-\$.DID. OR US-5870477-\$.DID. OR US-5857189-\$.DID. OR US-587048-\$.DID. OR US-587048-\$.DID. OR US-587048-\$.DID. OR US-587048-\$.DID. OR US-587048-\$.DID. OR US-587048-\$.DID.  | US-PGPUB;<br>USPAT | OR  | ON | 2008/04/03<br>12:09 |
| S17 | 19  | US-5892900-\$.DID. OR US-5893084-\$.DID. OR US-5893781-\$.DID. OR US-59522073-\$. DID. OR US-59522073-\$. DID. OR US-59522073-\$. DID. OR US-59524794-\$.DID. OR US-5963419-\$.DID. OR US-5968177-\$.DID. OR US-5963419-\$.DID. OR US-6032216-\$.DID. OR US-6032216-\$.DID. OR US-6038222-\$.DID. OR US-6058314-\$.DID. OR US-6058314-\$.DID. OR US-6058314-\$.DID. OR US-6058424-\$.DID. OR US-6058117-\$. DID. OR US-6058117-\$. DID. OR US-6058117-\$. DID. OR US-6058117-\$.   | US-PGPUB;<br>USPAT | OR  | ON | 2008/04/03          |
| S18 | 20  | US-6098056-\$.DID. OR US-6105131-\$.DID. OR US-6134327-\$.DID. OR US-6134658-\$.DID. OR US-6144754-\$.DID. OR US-614754-\$.DID. OR US-614754-\$.DID. OR US-615910-\$.DID. OR US-615910-\$.DID. OR US-616139-\$.DID. OR US-6185684-\$.DID. OR US-628614-\$.DID. OR US-622614-\$.DID. OR US-622614-\$.DID. OR US-622613-\$.DID. OR US-622613-\$.DID. OR US-622613-\$.DID. OR US-622613-\$.DID. OR US-622613-\$.DID. OR US-626349-\$.DID. OR US-626349-\$.DID. OR US-626349-\$.DID. OR US-626349-\$.DID. OR US-627632-\$.DID. OR US-6272632-\$.DID. OR US-627 | US-PGPUB;<br>USPAT | OR  | ON | 2008/04/03<br>12:15 |

| S19 | 20 | US-6282649-\$.DID. OR US-6289450-\$.DID. OR US-6292899-\$.DID. OR US-6295361-\$. DID. OR US-6295361-\$. DID. OR US-6306265-\$.DID. OR US-6306265-\$.DID. OR US-6314409-\$.DID. OR US-63377-\$.DID. OR US-6338625-\$. DID. OR US-6339825-\$. DID. OR US-6339825-\$. DID. OR US-6331813-\$.DID. OR US-6351813-\$.DID. OR US-6356903-\$.DID. OR US-6356903-\$.DID. OR US-6356903-\$.DID. OR US-6356903-\$.DID. OR US-6356941-\$.DID. OR US-6356941-\$.DID. OR US-6356941-\$.DID. OR US-6356949-\$.DID. OR US-6356941-\$.DID. | US-PGPUB;<br>USPAT | OR.  | ON | 2008/04/03<br>12:15 |
|-----|----|---|--------------------|------|----|---------------------|
| S20 | 20 | US-6389538-\$, DID. OR US-6405315-\$, DID. OR US-6421714-\$, DID. OR US-642688-\$, DID. OR US-642688-\$, DID. OR US-6442688-\$, DID. OR US-6469321-\$, DID. OR US-6453353-\$, DID. OR US-646932-\$, DID. OR US-64505302-\$, DID. OR US-6505300-\$, DID. OR US-6505300-\$, DID. OR US-6530020-\$, DID. OR US-6530021-\$, DID. OR US-6550011-\$, DID. OR US-6550011-\$, DID. OR US-6550011-\$, DID. OR US-6550011-\$, DID. OR US-65508673-\$, DID.  | US-PGPUB;<br>USPAT | OR . | ON | 2008/04/03<br>12:16 |
| S21 | 20 | US-6594662-\$.DID. OR US-6598161-\$.DID. OR US-6608636-\$.DID. OR US-6615349-\$.DID. OR US-6615349-\$.DID. OR US-6625650-\$.DID. OR US-6625243-\$.DID. OR US-6625311-\$.DID. OR US-6640307-\$.DID. OR US-6640307-\$.DID. OR US-6640307-\$.DID. OR US-6640307-\$.DID. OR US-6640308-\$.DID. OR US-67369-\$.DID. OR US-6736757-\$.DID. OR US-6736908-\$.DID. OR US-6757579-\$.DID. OR US-6736908-\$.DID. OR US-6807568-\$.DID. OR US-6807568-\$.DID. OR US-6816475-\$.DID. OR US-6816475-\$.DID. OR US-6816475-\$.DID.  | US-PGPUB;<br>USPAT | OR   | ON | 2008/04/03<br>12:16 |
| S22 | 20 | US-6834333-\$.DID. OR US-6834341-\$.DID. OR US-6845452-\$.DID. OR US-6874139-\$. DID. OR US-6889210-\$.DID. OR US- 6891953-\$.DID. OR US-6892201-\$.DID. OR US-689790-\$.DID. OR US-6892201-\$.DID. OR US-699790-\$.DID. OR US-6931450-\$. DID. OR US-6931503-\$.DID. OR US- 6931597-\$.DID. OR US-693402-\$.DID. OR US-6941355-\$.DID. OR US-693602-\$.DID. OR US-6941472-\$.DID. OR US-6947556-\$. DID. OR US-6950918-\$.DID. OR US-6959596-\$. DID. OR US-6950918-\$.DID. OR US-6959596-\$.DID.  | US-PGPUB;<br>USPAT | OR   | ON | 2008/04/03<br>12:16 |
| S23 | 20 | US-6952780-\$.DID. OR US-6957261-\$.DID. OR US-6959308-\$.DID. OR US-6951849-\$.DID. OR US-6951849-\$.DID. OR US-6951849-\$.DID. OR US-695195-\$.DID. OR US-695195-\$.DID. OR US-7003508-\$.DID. OR US-7013485-\$.DID. OR US-7013485-\$.DID. OR US-702645-\$.DID. OR US-7058978-\$.DID. OR US-7076963-\$.DID. OR US-7076973-\$.DID. OR US-7076912-\$.DID. OR US-7076912-\$.DID. OR US-7076912-\$.DID. OR US-7076912-\$.DID. OR US-7076912-\$.DID.   | US-PGPUB;<br>USPAT | OR.  | ON | 2008/04/03<br>12:17 |

| S24 | 20 | US-7076469-\$,DID. OR US-7076633-\$,DID. OR US-7080077-\$,DID. OR US-708683-\$,DID. OR US-708683-\$,DID. OR US-710898-\$,DID. OR US-712698-\$,DID. OR US-7120635-\$,DID. OR US-7126757-\$,DID. OR US-7124164-\$,DID. OR US-7131071-\$,DID. OR US-7136903-\$,DID. OR US-7136903-\$,DID. OR US-7145898-\$,DID. OR US-7159036-\$,DID. OR US-7174563-\$,DID. OR US-71745033-\$,DID. OR US-718033-\$,DID. OR US-718033-\$, | US-PGPUB;<br>USPAT | OR    | ON | 2008/04/03          |
|-----|----|--|--------------------|-------|----|---------------------|
| S25 | 20 | US-7200747-\$.DID. OR US-7203417-\$.DID. OR US-724944-\$. DID. OR US-724944-\$. DID. OR US-724944-\$. DID. OR US-726955-\$.DID. OR U | US-PGPUB;<br>USPAT | OR    | ON | 2008/04/03          |
| S26 | 20 | US-20020062245-\$, DID. OR US- 20020069077-\$, DID. OR US- 20020069077-\$, DID. OR US-20020069272- \$, DID. OR US-20020069363-\$, DID. OR US- 20020073320-\$, DID. OR US-20020077988- \$, DID. OR US-20020077947-\$, DID. OR US- 20020124180-\$, DID. OR US-20020129235- \$, DID. OR US-20020136999-\$, DID. OR US- 20020138762-\$, DID. OR US-20020143710- \$, DID. OR US-2002016726-\$, DID. OR US- 20020169963-\$, DID. OR US-20020169965- \$, DID. OR US-2002016796- \$, DID. OR US-20020169965- \$, DID. OR US-20020169786- \$, DID. OR US-20020198798- \$, DID. OR U                           | US-PGPUB;<br>USPAT | OR OR | ON | 2008/04/03<br>12:53 |
| S27 | 20 | US-20030200202-\$.DID. OR US-<br>20030217264-\$.DID. OR US-20030217281-<br>\$.DID. OR US-20030023559-\$.DID. OR US-<br>20030033528-\$.DID. OR US-20030037133-<br>\$.DID. OR US-20030037237-\$.DID. OR US-<br>20030037253-\$.DID. OR US-20030051039-<br>\$.DID. OR US-2003007459-\$.DID. OR US-<br>20030078959-\$.DID. OR US-20030079175-<br>\$.DID. OR US-20030088517-\$.DID. OR US-<br>2003008793-\$.DID. OR US-20030101169-<br>\$.DID. OR US-20030110397-\$.DID. OR US-<br>20030108794-\$.DID. OR US-20030120601-<br>\$.DID. OR US-20030120684-\$.DID. OR US-<br>200301154941-\$.DID. OR US-   | US-PGPUB;<br>USPAT | OR    | ON | 2008/04/03          |

| S28 | 20   | US-20030177070-\$ IDI OR US-20030182579-\$ DID OR US-20030182579-\$ DID OR US-20030182579-\$ DID OR US-20040025037-\$ DID OR US-20040025037-\$ DID OR US-20040098694-\$ DID OR US-20040098590-\$ DID OR US-20040193202-\$ DID OR US-20040193202-\$ DID OR US-20040193802-\$ DID OR US-20040193802-\$ DID OR US-20040193802-\$ DID OR US-20040193602-\$ DID OR US-20050021807-\$ DID OR US-20050012807-\$ DID OR US-200 | US-PGPUB;<br>USPAT | OR. | ON  | 2008/04/03<br>12:53 |
|-----|------|---|--------------------|-----|-----|---------------------|
| S29 | 18   | US-20050071657-8.DID. OR US-<br>20050071688- DID. OR US-20050091029-<br>\$ DID. OR US-200500968531-8.DID. OR US-<br>20050091484-8.DID. OR US-2005012019-<br>\$ DID. OR US-20050183971-8.DID. OR US-<br>20050177716-8.DID. OR US-20050198326-<br>\$ DID. OR US-20050222322-8.DID. OR US-<br>20050223414-8.DID. OR US-20050273600-<br>\$ DID. OR US-2005023898-8.DID. OR US-<br>200502052414-8.DID. OR US-20050073465-<br>\$ DID. OR US-20060093169-8.DID. OR US-<br>20050230437-8.DID. OR US-20070006214-<br>\$ DID.   | US-PGPUB;<br>USPAT | OR  | ON  | 2008/04/03<br>12:54 |
| 530 | 317  | S14 S15 S16 S17 S18 S19 S20 S21 S22 S23<br>S24 S25 S26 S27 S28 S29  | US-PGPUB;<br>USPAT | OR  | ON  | 2008/04/03<br>13:24 |
| S31 | 6    | S30 and time adj based near3 key  | US-PGPUB;<br>USPAT | OR  | ON  | 2008/04/03<br>13:25 |
| S32 | 463  | (data document file content) adj key with<br>header   | US-PGPUB;<br>USPAT | OR  | ON  | 2008/04/03<br>13:26 |
| 533 | 106  | S32 and S8  | US-PGPUB;<br>USPAT | OR  | ON  | 2008/04/03<br>13:27 |
| S34 | 1965 | key with available with generat\$4  | US-PGPUB;<br>USPAT | OR  | ON  | 2008/04/03<br>13:29 |
| S35 | 268  | S34 and S8  | US-PGPUB;<br>USPAT | OR  | ON  | 2008/04/03<br>13:29 |
| S36 | 175  | key with available with generat\$4 near2 key and S8   | US-PGPUB;<br>USPAT | OR  | ON  | 2008/04/03<br>13:29 |
| S37 | 21   | (content data document file) adj key near2<br>available and generat\$4 near2 (content<br>data document file) adj key  | US-PGPUB;<br>USPAT | OR  | ON  | 2008/04/03<br>13:39 |
| S38 | 6    | (content data document file) adj key with already adj2 exist  | US-PGPUB;<br>USPAT | OR  | ON  | 2008/04/03<br>13:40 |
| S39 | 8745 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CQLS.   | US-PGPUB;<br>USPAT | OR  | OFF | 2008/08/15<br>11:10 |
| S40 | 37   | S39 and time adj based near2 key  | US-PGPUB;<br>USPAT | OR  | ON  | 2008/08/15<br>11:10 |
| S41 | 1    | ("6892306"). PN.  | US-PGPUB;<br>USPAT | OR  | OFF | 2008/08/15<br>11:13 |
| S42 | 37   | hybrid adj encryption   | US-PGPUB;<br>USPAT | OR  | ON  | 2008/08/15<br>11:24 |
| 543 | 1    | ("20050071657"). PN.  | US-PGPUB;<br>USPAT | OR  | OFF | 2009/01/26<br>14:49 |
| S44 | 1    | ("20020016992"). PN.  | US-PGPUB;<br>USPAT | OR  | OFF | 2009/01/26<br>15:09 |

| S45  | 1            | ("20020016922"). PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2009/01/26<br>15:09 |
|------|--------------|--|--------------------|----|-----|---------------------|
| S46  | 1            | S45 and encrypt\$4 with header   | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/26<br>15:17 |
| S47  | 1            | ("6892306"). PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2009/01/26<br>15:29 |
| S48  | 1            | S47 and temporary adj validation with<br>header  | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/26<br>15:36 |
| 349  | 1            | S47 and encrypt\$4 with header   | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/26<br>15:53 |
| 350  | 970 <b>7</b> | ((713/153,160,198) or (726/2,26,27,28,29)<br>or (380/277,278,279,282,44,45)).CCLS.   | US-PGPUB;<br>USPAT | OR | OFF | 2009/01/26<br>16:46 |
| 351  | 38           | S50 and time adj based near2 key   | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/26<br>16:46 |
| 552  | 40           | hybrid adj encryption  | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/26<br>16:46 |
| S53  | 20           | IUS-55837F-\$, DID. OR IUS-5655119-\$, DID. OR IUS-5661806-\$, DID. OR IUS-579265-\$, DID. OR IUS-579265-\$, DID. OR IUS-579205-\$, DID. OR IUS-5790502-\$, DID. OR IUS-589909-\$, DID. OR IUS-599909-\$, DID. OR IUS-6089057-\$, DID. OR IUS-6089057-\$, DID. OR IUS-6089057-\$, DID. OR IUS-60890523-\$, DID. OR IUS-608905-\$, DID. OR IUS-608905-\$, DID. OR IUS-608905-\$, DID. OR IUS-6124660-\$, DID. OR IUS-6124660-\$, DID. OR IUS-6124660-\$, DID. OR IUS-6223285-\$, DID. OR IUS-6223618-\$, DID. OR IUS-622    | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/26<br>16:52 |
| S54  | 20           | US-6832025-\$,DID. OR US-6843316-\$,DID. OR US-6837812-\$. DID. OR US-6839420-\$,DID. OR US-6849842-\$. DID. OR US-6839420-\$,DID. OR US-6557038-\$. DID. OR US-6557038-\$.DID. OR US-6567825-\$. DID. OR US-6611599-\$,DID. OR US-6678253-\$. DID. OR US-6611698-\$,DID. OR US-6678253-\$. DID. OR US-6671683-\$,DID. OR US-667825-\$. DID. OR US-6807553-\$,DID. OR US-6807822-\$. DID. OR US-6865555-\$,DID. OR US-6867822-\$. DID. OR US-68677136-\$,DID. OR US-6807024-\$. DID. OR US-68677136-\$,DID. OR US-6807024-\$. DID. OR US-6807734-\$.DID.   | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/26<br>16:53 |
| \$55 | 20           | [US-6944183-\$, DID. OR US-6950441-\$, DID. OR US-6950941-\$, DID. OR US-6950940-\$, DID. OR US-69509040-\$, DID. OR US-697018-\$, DID. OR US-6970377-\$, DID. OR US-698918-\$, DID. OR US-7036691-\$, DID. OR US-7036991-\$, DID. OR US-7036991-\$, DID. OR US-7036990-\$, DID. OR US-7036905-\$, DID. OR US-7134041-\$, DID. OR US-7134094-\$, DID. OR US-7134098-\$, DID. OR US-7134098-\$, DID. OR US-7194764-\$, DID. OR US-7203968-\$, DID. OR US-7194764-\$, DID. OR US-7219303-\$, DID. OR | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/26<br>16:53 |

| S56 | 20    | IGS-722256-S. DID. OR US-7227963-S. DID. OR US-7237062-S. DID. OR US-7290148-S. DID. OR US-7290148-S. DID. OR US-73901702-S. DID. OR US-73901702-S. DID. OR US-73801702-S. DID. OR US-7380120-S. DID. OR US-7380120-S. DID. OR US-738056-S. DID. OR US-7380562-S. DID. OR US-738050098-S. DID. OR US-738050099-S. DID. OR US-73805009-S. DID. OR US-7  | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/26<br>16:53 |
|-----|-------|---|--------------------|----|-----|---------------------|
| S57 | 20    | US 20030115570+\$.DID. OR US 2003015906+\$.DID. OR US 20030046238+\$.DID. OR US 20030046238+\$.DID. OR US 20030046238+\$.DID. OR US 20030091787+\$.DID. OR US 2003001787+\$.DID. OR US 2003011026+\$.DID. OR US 2003019787+\$.DID. OR US 2003019789+\$.DID. OR US 2003019789+\$.DID. OR US 2003019779+\$.DID. OR US 2003019779+\$.DID. OR US 2003019779+\$.DID. OR US 2003019781+\$.DID. OR US 2003023865-\$.DID. OR US 2004002390+\$.DID. OR US 20040039781+\$.DID. OR US 20040039781-\$.DID. OR US 2004013394+\$.DID. OR US 2004013394+\$.DID. OR US 2004013394+\$.DID. OR US 2004013394+\$.DID. OR US 2004013995+\$.DID. OR US 2004013959-\$.DID. OR US 2004013959-\$.DID. OR US 2004013959-\$.DID. OR US 2004013959-\$.DID. OR US 200401395-\$.DID. OR US 2004013 | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/26<br>16:54 |
| S58 | 8     | US-20040199514-\$.DID. OR US-<br>20050021629-\$.DID. OR US-20050028006-<br>\$.DID. OR US-20050177859-\$.DID. OR US-<br>20050266909-\$.DID. OR US-20050283610-<br>\$.DID. OR US-20060168147-\$.DID. OR US-<br>6584466-\$.DID.  | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/26<br>16:54 |
| 359 | 148   | S52 S53 S54 S55 S56 S57 S58   | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/26<br>16:54 |
| S60 | 31    | S59 and encrypt\$4 with header  | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/26<br>16:55 |
| S61 | 0     | S60 and time adj based near2 key  | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/26<br>16:55 |
| S62 | 0     | S59 and time adj based near2 key  | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/26<br>16:55 |
| S63 | 10699 | ((713/153,160,198) or (726/2,26,27,28,29)<br>or (380/277,278,279,282,44,45)).OCLS.  | US-PGPUB;<br>USPAT | OR | OFF | 2009/06/24<br>17:47 |
| S64 | 10699 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).OCLS.   | US-PGPUB;<br>USPAT | OR | OFF | 2009/06/24<br>17:47 |
| S65 | 42    | S64 and time adj based near2 key  | US-PGPUB;<br>USPAT | OR | ON  | 2009/06/24<br>17:47 |
| S66 | 10699 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CQLS.   | US-PGPUB;<br>USPAT | OR | OFF | 2009/06/24<br>17:47 |
| 967 | 543   | (data document file content) adj key with header  | US-PGPUB;<br>USPAT | OR | ON  | 2009/06/24<br>17:47 |
| 568 | 139   | 967 and 966   | US-PGPUB;<br>USPAT | OR | ON  | 2009/06/24<br>17:47 |
| S69 | 1     | ("20050071657").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2009/06/24<br>17:48 |
| S70 | 1     | ("20020016922").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2009/06/24<br>17:48 |

| S71 | 12    | US 6192498-\$.DID. OR US-6519700-\$.DID.<br>OR US-6511846-\$.DID. OR US-7107416-\$.<br>DID. OR US-7117322-\$.DID. OR US-<br>7146389-\$.DID. OR US-7340600-\$.DID. OR<br>US-20030172280-\$.DID. OR US-<br>20030101072-\$.DID. OR US-20040073660-<br>\$.DID. OR US-20050235154-\$.DID. OR US-<br>2007006737-\$.DID.   | US-PGPUB;<br>USPAT  | OR | ON  | 2009/06/24<br>17:55 |
|-----|-------|---|---|----|-----|---------------------|
| S72 | 26    | ((NIOHOLAS) near2 (RYAN)).INV.  | US-PGPUB;<br>USPAT  | OR | ON  | 2010/01/11<br>15:59 |
| S73 | 38    | ((NICHOLAS) near2 (RYAN)).INV.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/01/11<br>15:59 |
| S74 | 4     | (("6603857") or ("20040064710") or<br>("6851050") or ("2002009947") or<br>("20020172367")).PN.  | US-PGPUB;<br>USPAT  | OR | OFF | 2010/01/11<br>15:59 |
| S75 | 5     | (("6603857") or ("20040064710") or<br>("6851050") or ("20020009947") or<br>("20020172367")).PN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2010/01/11<br>15:59 |
| S76 | 5     | (("6603857") or ("20040064710") or<br>("6851050") or ("20020099947") or<br>("20020172367")).PN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2010/01/11<br>15:59 |
| S77 | 41    | [*4145569"   "4800500"   "4800327"   "4811393"   "4819267"   "4861264"   "4944006"   "5146498"   "5216715"   "5325433"   "5341426"   "5412722"   "5457746"   "5481613"   "5561614"   "5600720"   "5604807"   "5625694"   "572034"   "5774550"   "574460"   "5739373"   "5802175"   "5805705"   "5803712"   "58172719"   "5825676"   "6157723") PN. OR ("6603857") URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2010/01/11<br>15:59 |
| S78 | 3581  | ((713/189) or (380/44)).CCLS.   | US-PGPUB;<br>USPAT  | OR | OFF | 2010/01/11<br>15:59 |
| S79 | 12121 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CQLS.   | US-PGPUB;<br>USPAT  | OR | OFF | 2010/01/11<br>15:59 |
| S80 | 447   | S79 and time adj based  | US-PGPUB;<br>USPAT  | OR | ON  | 2010/01/11<br>15:59 |
| S81 | 3055  | S79 and future  | US-PGPUB;<br>USPAT  | OR | ON  | 2010/01/11<br>15:59 |
| S82 | 207   | S80 and future  | US-PGPUB;<br>USPAT  | OR | ON  | 2010/01/11<br>15:59 |
| S83 | 47    | S79 and time adj based near2 key  | US-PGPUB;<br>USPAT  | OR | ON  | 2010/01/11<br>15:59 |
| S84 | 1     | ("5825876").PN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2010/01/11<br>15:59 |

| S85 | 20 | US-4203166-\$.DID. OR US-4734568-\$.DID. OR US-479533-\$.DID. OR US-4796220-\$. DID. OR US-4796220-\$. DID. OR US-497969-\$.DID. OR US-4972472-\$.DID. OR US-5032978-\$.DID. OR US-5032049-\$.DID. OR US-5052049-\$.DID. OR US-5052049-\$.DID. OR US-520657-\$.DID. OR US-520657-\$.DID. OR US-5276735-\$.DID. OR US-5276735-\$.DID. OR US-5276735-\$.DID. OR US-5276735-\$.DID. OR US-530722-\$.DID. OR US-5319705-\$.DID. OR US-530722-\$.DID. OR US-5319705-\$.DID. OR US-530724-\$.DID. OR US-530724-\$.DID. OR US-530724-\$.DID. OR US-530724-\$.DID. OR US-530724-\$.DID. OR US-530725-\$.DID. OR US-530725          | US-PGPUB;<br>USPAT | OR. | ON. | 2010/01/11<br>15:59 |
|-----|----|--|--------------------|-----|-----|---------------------|
| S86 | 20 | US-5404404-\$.DID. OR US-5406628-\$.DID. OR US-5414652-\$.DID. OR US-5495533-\$.DID. OR US-5495533-\$.DID. OR US-550766-\$.DID. OR US-550766-\$.DID. OR US-550766-\$.DID. OR US-550766-\$.DID. OR US-560668-\$.DID. OR US-560668-\$.DID. OR US-5671412-\$.DID. OR US-560768-\$.DID. OR US-560768-\$.DID. OR US-560768-\$.DID. OR US-560769-\$.DID. OR US-5609719-\$.DID. OR US-5709-\$.DID. OR US-5709-\$.DID. OR US-5709-\$.DID. OR US-5714509-\$.DID. OR US-571579-\$.DID. OR US-571579-\$.DID. OR US-571679-\$.DID. OR US-5         | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| 587 | 20 | US-572033-\$.DID. OR US-5729734-\$.DID. OR US-5745736-\$. DID. OR US-5745736-\$. DID. OR US-5767520-\$.DID. OR US-5756152-\$.DID. OR US-5756152-\$.DID. OR US-5756152-\$.DID. OR US-5767175-\$. DID. OR US-5787175-\$. DID. OR US-5787175-\$. DID. OR US-5787175-\$. DID. OR US-585650-\$.DID. OR US-583560-\$.DID. OR US-5835601-\$.DID. OR US-583661-\$.DID. OR US-5870488-\$. DID.  | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| 588 | 19 | US-5892900-\$.DID. OR US-5893084-\$.DID. OR US-5896781-\$.DID. OR US-5892073-\$. DID. OR US-5932073-\$. DID. OR US-5932478-\$.DID. OR US-5963419-\$.DID. OR US-5963419-\$.DID. OR US-5963177-\$.DID. OR US-5987440-\$.DID. OR US-6038216-\$.DID. OR US-6038205-\$.DID. OR US-603404155-\$.DID. OR US-605314-\$.DID. OR US-605424-\$.DID. OR US-605424-\$.DID. OR US-6054717-\$. DID. OR US-608805-\$.DID. OR US-6088          | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| 589 | 20 | US-6090056-\$.DID. OR US-6105131-\$.DID. OR US-6134227-\$.DID. OR US-6134257-\$.DID. OR US-6134658-\$. DID. OR US-6145064-\$.DID. OR US-6164064-\$.DID. OR US-6161939-\$.DID. OR US-6161939-\$.DID. OR US-6161934-\$.DID. OR US-6165664-\$.DID. OR US-6205549-\$. DID. OR US-6226618-\$.DID. OR US-6226618-\$.DID. OR US-6226618-\$.DID. OR US-6226618-\$.DID. OR US-626918-\$.DID. OR US-626918-\$.DID. OR US-626918-\$.DID. OR US-626918-\$.DID. OR US-625918-\$.DID. OR US-6259-\$.DID. OR US-6259-\$. | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |

| S90 | 20 | US-6282649-\$.DID. OR US-6289450-\$.DID. OR US-6292899-\$.DID. OR US-62926361-\$. DID. OR US-6301614-\$.DID. OR US- 6308256-\$.DID. OR US-6314409-\$.DID. OR US-631777-\$.DID. OR US-6336114-\$.DID. OR US-6339422-\$.DID. OR US-633825-\$. DID. OR US-6334164-\$.DID. OR US-6356903-\$.DID. OR US-6356941-\$.DID. OR US-6356903-\$.DID. OR US-6356941-\$.DID. OR US-6354804-\$.DID. OR US-6376249-\$. DID. OR US-6381489-\$.DID. OR US-6376349-\$. DID. OR US-6381699-\$.DID. OR US-6376394-\$.DID.  | US-PGPUB;<br>USPAT | OR.   | ON | 2010/01/11<br>15:59 |
|-----|----|---|--------------------|-------|----|---------------------|
| S91 | 20 | US-6399538-\$.DID. OR US-6405315-\$.DID. OR US-642714-\$.DID. OR US-6442688-\$. DID. OR US-6442688-\$. DID. OR US-6442685-\$. DID. OR US-6449271-\$.DID. OR US-6453335-\$.DID. OR US-6459328-\$.DID. OR US-6459328-\$.DID. OR US-6490680-\$.DID. OR US-6505300-\$. DID. OR US-650530020-\$.DID. OR US-6530020-\$.DID. OR US-6530022-\$.DID. OR US-6530021-\$.DID. OR US-6550011-\$.DID. OR US-6 | US-PGPUB;<br>USPAT | OR OR | ON | 2010/01/11<br>15:59 |
| S92 | 20 | US-6504662-\$.DID. OR US-6598161-\$.DID. OR US-6606636-\$.DID. OR US-6615349-\$. DID. OR US-6615349-\$. DID. OR US-6625650-\$.DID. OR US-662503-\$.DID. OR US-662503-\$.DID. OR US-662503-\$.DID. OR US-6630507-\$.DID. OR US-6640307-\$.DID. OR US-6647388-\$. DID. OR US-67385701-\$.DID. OR US-6738908-\$.DID. OR US-67385701-\$.DID. OR US-6738908-\$.DID. OR US-67367363-\$.DID. OR US-6807636-\$.DID. OR US-680 | US-PGPUB;<br>USPAT | OR    | ON | 2010/01/11<br>15:59 |
| S93 | 20 | US-6834333-\$.DID. OR US-6834341-\$.DID. OR US-6845452-\$.DID. OR US-6874159-\$.DID. OR US-6893159-\$.DID. OR US-68931953-\$.DID. OR US-6893953-\$.DID. OR US-689201-\$.DID. OR US-6931545-\$.DID. OR US-6931450-\$.DID. OR US-6931450-\$.DID. OR US-6931595-\$.DID. OR US-6931595-\$.DID. OR US-6931597-\$.DID. OR US-6931595-\$.DID. OR US-6931597-\$.DID. OR US-6931595-\$.DID. OR US-693159-\$.DID. OR US-693159-\$.DID. OR US-693159-\$.DID. OR US-693159-\$.DID. OR US-693159-\$.DID. OR US-693159-\$.DID. OR US-69359365-\$.DID. OR US-6950315-\$.DID. OR US-6950315-\$.DID. OR US-6950315-\$.DID.   | US-PGPUB;<br>USPAT | OR    | ON | 2010/01/11<br>15:59 |
| S94 | 20 | US-6952780-\$.DID. OR US-6957261-\$.DID. OR US-695308-\$.DID. OR US-695308-\$.DID. OR US-6961849-\$. DID. OR US-6961349-\$. DID. OR US-6961345-\$.DID. OR US-6961315-\$.DID. OR US-7003117-\$.DID. OR US-700366-\$.DID. OR US-7013485-\$. DID. OR US-7013485-\$. DID. OR US-7013485-\$. DID. OR US-7026445-\$.DID. OR US-702645-\$.DID. OR US-702645-\$.DID. OR US-702645-\$.DID. OR US-702645-\$.DID. OR US-702645-\$.DID. OR US-702645-\$.DID. OR US-703693-\$.DID. OR US-7076675-\$.DID. OR US-7076675-\$.DID. OR US-7076675-\$.DID. OR US-7076612-\$.DID.   | US-PGPUB;<br>USPAT | OR    | ON | 2010/01/11<br>15:59 |

| S95 | 20 | US-7076469-\$.DID. OR US-7076633-\$.DID. OR US-70809077-\$.DID. OR US-709653-\$.DID. OR US-710628-\$.DID. OR US-7107289-\$.DID. OR US-712059-\$.DID. OR US-7120757-\$.DID. OR US-7124164-\$.DID. OR US-7130964-\$.DID. OR US-7131071-\$. DID. OR US-7136903-\$.DID. OR US-7131071-\$. DID. OR US-7136903-\$.DID. OR US-7147659-\$.DID. OR US-7174503-\$.DID. OR US-7174503-\$.DID. OR US-7176503-\$.DID. OR US-7187633-\$.DID. OR US-718503-\$.DID. OR US-7187633-\$.DID. OR US-718503-\$.DID.   | US- PGPUB;<br>USPAT | OR  | ON | 2010/01/11          |
|-----|----|---|---------------------|-----|----|---------------------|
| S96 | 20 | US-7200747-\$.DID. OR US-7203317-\$.DID. OR US-72249044-\$. DID. OR US-7249044-\$. DID. OR US-7249044-\$. DID. OR US-7260555-\$. DID. OR US-7260568-\$.DID. OR US-7260568-\$.DID. OR US-7267055-\$.DID. OR US-726705-\$.DID. OR US-7 | US-PGPUB;<br>USPAT  | OR  | ON | 2010/01/11<br>15:59 |
| S97 | 20 | US-20020062245-\$.D.ID. OR US- 20020069077-\$.DID. OR US-20020069272- \$.D.ID. OR US-20020069363-\$.D.ID. OR US- 20020073320-\$.D.ID. OR US-2002007988- \$.D.ID. OR US-20020077947-\$.D.ID. OR US- 20020124180-\$.D.ID. OR US-20020129235- \$.D.ID. OR US-20020137979-\$.D.ID. OR US- 20020138762-\$.D.ID. OR US-20020149710- \$.D.ID. OR US-20020158728-\$.D.ID. OR US- 20020169963-\$.D.ID. OR US-20020169965- \$.D.ID. OR US-20020174109-\$.D.ID. OR US- 20020178271-\$.D.ID. OR US-20020199798- \$.D.ID. OR US-20030009665-\$.D.ID. OR US- 20030014391-\$.D.ID. OR US-200300199798-   | US-PGPUB;<br>USPAT  | OR  | ON | 2010/01/11<br>15:59 |
| S98 |    | US-20030200202-\$.DID. OR US-20030217281-\$.DID. OR US-20030217284-\$.DID. OR US-20030217281-\$.DID. OR US-20030037133-\$.DID. OR US-2003003528-\$.DID. OR US-20030037133-\$.DID. OR US-2003003725-\$.DID. OR US-2003003725-\$.DID. OR US-2003003725-\$.DID. OR US-2003007895-\$.DID. OR US-2003010397-\$.DID. OR US-2003010397-\$.DID. OR US-2003010397-\$.DID. OR US-20030110397-\$.DID. OR US-20030110397-\$.DID. OR US-20030110391-\$.DID.   | US-PGPUB;<br>USPAT  | OR. | ON | 2010/01/11<br>15:59 |

| S99  | 20    | US 20030177070-\$.DID. OR US 20030177378-\$.DID. OR US 20030182579-\$.DID. OR US 20030182579-\$.DID. OR US 20030182579-\$.DID. OR US 20040025037-\$.DID. OR US 20040086864-\$.DID. OR US 20040019389-\$.DID. OR US 20040193202-\$.DID. OR US 20040193202-\$.DID. OR US 20040193202-\$.DID. OR US 20040193802-\$.DID. OR US 20040193902-\$.DID. OR US 20040193902-\$.DID. OR US 20040193915-\$.DID. OR US 20040215962-\$.DID. OR US 20040215962-\$.DID. OR US 20050021807-\$.DID. OR US 20050071807-\$.DID. | US-PGPUB;<br>USPAT | OR. | 8   | 2010/01/11          |
|------|-------|--|--------------------|-----|-----|---------------------|
| S100 | 18    | IS-20050971657-\$.DID. OR US- 20050971658-\$.DID. OR US- 20050971658-\$.DID. OR US- 20050971658-\$.DID. OR US- 2005091464-\$.DID. OR US- 2005091464-\$.DID. OR US- 2005091464-\$.DID. OR US- 2005091464-\$.DID. OR US- 2005091698-\$.DID. OR US- 20050923824-\$.DID. OR US- 20050922341-\$.DID. OR US- 2005092391-\$.DID. OR US- 20050905021-\$.DID. OR US- 20050905021-\$.DID. OR US- 200509230437-\$.DID. OR US- 200509230437-\$.DID. OR US- 20070006214- \$.DID. OR US- 20070006214       | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S101 | 317   | S85 S86 S87 S88 S89 S90 S91 S92 S93 S94<br>S95 S96 S97 S98 S99 S100  | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S102 | 6     | S101 and time adj based near3 key  | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S103 | 557   | (data document file content) adj key with header   | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S104 | 144   | S103 and S79   | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S105 | 2549  | key with available with generat\$4   | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S106 | 417   | S105 and S79   | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S107 | 271   | key with available with generat\$4 near2 key and S79   | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S108 | 32    | (content data document file) adj key near2<br>available and generat\$4 near2 (content<br>data document file) adj key   | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S109 | 10    | (content data document file) adj key with already adj2 exist   | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S110 | 12121 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CQLS.  | US-PGPUB;<br>USPAT | OR  | OFF | 2010/01/11<br>15:59 |
| S111 | 47    | S110 and time adj based near2 key  | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| 5112 | 1     | ("6892306").PN.  | US-PGPUB;<br>USPAT | OR  | OFF | 2010/01/11<br>15:59 |
| S113 | 50    | hybrid adj encryption  | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S114 | 1     | ("20050071657").PN.  | US-PGPUB;<br>USPAT | OR  | OFF | 2010/01/11<br>15:59 |
| S115 | 1     | ("20020016992").PN.  | US-PGPUB;<br>USPAT | OR  | OFF | 2010/01/11<br>15:59 |

| S116 | 1     | ("20020016922"). PN.  | US-PGPUB;<br>USPAT | OR  | OFF | 2010/01/11<br>15:59 |
|------|-------|---|--------------------|-----|-----|---------------------|
| S117 | 1     | S116 and encrypt\$4 with header   | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S118 | 1     | ("6892306"). PN.  | US-PGPUB;<br>USPAT | OR  | OFF | 2010/01/11<br>15:59 |
| S119 | 1     | S118 and temporary adj validation with header   | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S120 | 1     | S118 and encrypt\$4 with header   | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S121 | 12121 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CQLS.   | US-PGPUB;<br>USPAT | OR  | OFF | 2010/01/11<br>15:59 |
| S122 | 47    | S121 and time adj based near2 key   | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S123 | 50    | hybrid adj encryption   | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S124 | 20    | US-5535375-\$.DID. OR US-5655119-\$.DID. OR US-5661806-\$.DID. OR US-5792790-\$.DID. OR US-5792790-\$.DID. OR US-5792790-\$.DID. OR US-5913009-\$.DID. OR US-5913009-\$.DID. OR US-6098907-\$.DID. OR US-6124660-\$.DID. OR US-6124660-\$.DID. OR US-6124660-\$.DID. OR US-6124660-\$.DID. OR US-6124660-\$.DID. OR US-6124660-\$.DID. OR US-6220285-\$.DID. OR US-622026618-\$.DID. OR US-6230807-\$.DID. OR US-6230807-\$.DID. OR US-6230807-\$.DID. OR US-630927-\$.DID. OR US-630929-\$.DID. OR US-630929-\$.DID. OR US-630929-\$.DID. OR US-630929-\$.DID. OR US-630929-\$.DID. OR US-630929-\$.DID. O | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S125 |       | IUS-632025-\$.DID. OR IUS-6343316-\$.DID. OR US-6332025-\$.DID. OR US-6357010-\$. DID. OR US-63393420-\$.DID. OR US-644699-\$.DID. OR US-635905-\$.DID. OR US-65709-\$.DID. OR US-657893-\$.DID. OR US-6671893-\$.DID. OR US-6671893-\$.DID. OR US-6671893-\$.DID. OR US-697893-\$.DID. OR US-697893-\$.DID. OR US-697893-\$.DID. OR US-6807593-\$.DID. OR US-6807593-\$.DID. OR US-6807593-\$.DID. OR US-6807822-\$.DID. OR US-6807823-\$.DID. OR US-6807823-\$.D    | US-PGPUB;<br>USPAT | OR. | ON  | 2010/01/11<br>15:59 |
| S126 | 20    | IUS 9844183-\$. DID. OR IUS-6950941-\$. DID. OR US-6950943-\$. DID. OR US-6950943-\$. DID. OR US-6980900-\$. DID. OR US-697017-\$. DID. OR US-6987837-\$. DID. OR US-698813-\$. DID. OR US-698813-\$. DID. OR US-7035910-\$. DID. OR US-7134041-\$. DID. OR US-714641-\$. DID. OR US-7181017-\$. DID. OR US-7192398-\$. DID. OR US-7192398-\$. DID. OR US-719230-\$. DID.   | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |

| S127 | 20    | US-722256-\$ DID OR US-722795-\$ DID OR US-7237002-\$ DID OR US-7290148-\$ DID OR US-7237002-\$ DID OR US-7290148-\$ DID OR US-739072-\$ DID OR US-7380120-\$ DID OR US-7380120-\$ DID OR US-7380120-\$ DID OR US-7380520-\$ DID OR US-20010011254-\$ DID OR US-20020050038-\$ DID OR US-20020050038-\$ DID OR US-20020050038-\$ DID OR US-20020050038-\$ DID OR US-2002015791-\$ DID OR US-20020157016-\$ DID OR US-200201028610-\$ DID OR US-20020157016-\$ DID OR US-20020167016-\$ DID OR US-20020157016-\$ DID OR US-20020167016-\$ DID OR   | US-PGPUB;<br>USPAT | ОЯ  | ON  | 2010/01/11<br>15:59 |
|------|-------|--|--------------------|-----|-----|---------------------|
| S128 | 20    | ILS 20030115570-\$ DID. OR US-20030115370-\$ DID. OR US-20030046238-\$ DID. OR US-20030046238-\$ DID. OR US-2003005739-\$ DID. OR US-2003005739-\$ DID. OR US-2003005739-\$ DID. OR US-2003017264-\$ DID. OR US-20030172649-\$ DID. OR US-20030172649-\$ DID. OR US-2003019779-\$ DID. OR US-2003019779-\$ DID. OR US-2003019779-\$ DID. OR US-2003019781-\$ DID. OR US-20030223650-\$ DID. OR US-20040022340-\$ DID. OR US-20040023781-\$ DID. OR US-20040033781-\$ DID. OR US-20040033781-\$ DID. OR US-20040033544-\$ DID. OR US-20040133544-\$ DID. OR US-20040133544-\$ DID. OR US-20040133544-\$ DID. OR US-2004015356-\$ DID. OR US-200401536-\$ DID. OR US-200401536-\$ DID. OR US-2004015356-\$ DID. OR US-20040154-\$ DID. OR US-200 | US-PGPUB;<br>USPAT | OA. | ON  | 2010/01/11<br>15:59 |
| S129 | 8     | US-20040199514-\$, DID. OR US-<br>20050021829-\$, DID. OR US-20050028006-<br>\$, DID. OR US-20050177858-\$, DID. OR US-<br>20050255909-\$, DID. OR US-20050283610-<br>\$, DID. OR US-20060168147-\$, DID. OR US-<br>6584466-\$, DID.   | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S130 | 158   | S123 S124 S125 S126 S127 S128 S129   | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S131 | 32    | S130 and encrypt\$4 with header  | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S132 | 0     | S131 and time adj based near2 key  | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S133 | 0     | S130 and time adj based near2 key  | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S134 | 12121 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CQLS.  | US-PGPUB;<br>USPAT | OR  | OFF | 2010/01/11<br>15:59 |
| S135 | 12121 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CQLS.  | US-PGPUB;<br>USPAT | OR  | OFF | 2010/01/11<br>15:59 |
| S136 | 47    | S135 and time adj based near2 key  | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S137 | 12121 | ((713/153,160,198) or (726/2,26,27,28,29)<br>or (380/277,278,279,282,44,45)).CQLS.   | US-PGPUB;<br>USPAT | OR  | OFF | 2010/01/11<br>15:59 |
| S138 | 557   | (data document file content) adj key with header   | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S139 | 144   | S138 and S137  | US-PGPUB;<br>USPAT | OR  | ON  | 2010/01/11<br>15:59 |
| S140 | 1     | ("20050071657"). PN.   | US-PGPUB;<br>USPAT | OR  | OFF | 2010/01/11<br>15:59 |
| S141 | 1     | ("20020016922"). PN.   | US-PGPUB;<br>USPAT | OR  | OFF | 2010/01/11<br>15:59 |

| S142 | 12   |  | US-PGIPUB;<br>USPAT   | OR | ON  | 2010/01/11<br>15:59 |
|------|------|--|---|----|-----|---------------------|
| S143 | 1295 | header with (contant file document<br>encryption decryption) adj key | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/08/06<br>13:28 |
| S144 | 3    | (("6292895") or ("5923754") or<br>("6603857")).PN.                   | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2010/08/08<br>21:23 |

## EAST Search History (Interference)

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## 8/12/2010 5:26:31 PM

C:\ Documents and Settings\ ypaliwal\ My Documents\ EAST\ Workspaces\ 10-676850.wsp